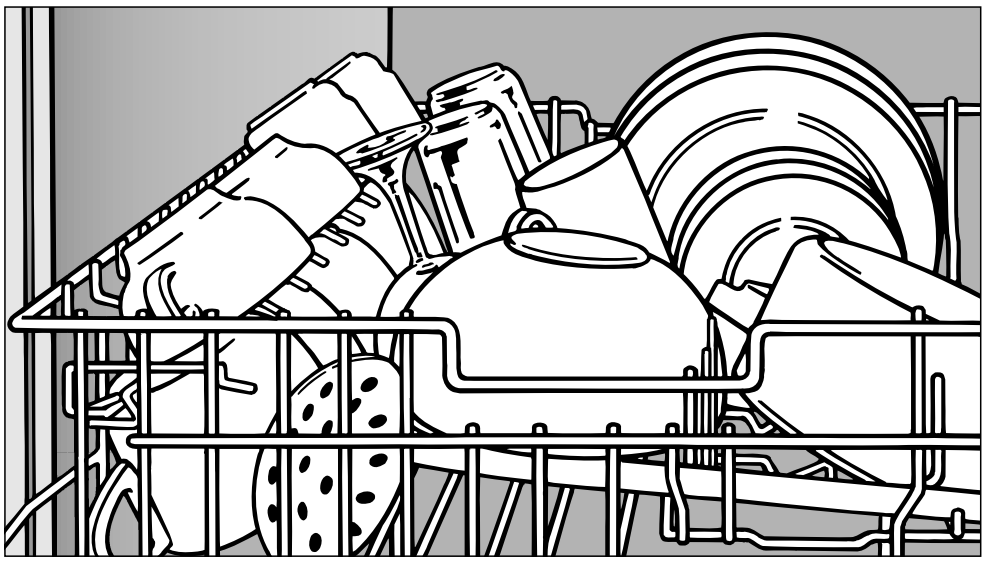
Miele

Operating instructions



for dishwashers

To avoid the risk of accidents or damage to the appliance, it is **essential** to read these instructions as well as the installation plan before it is installed and used for the first time.

en - AUS, NZ

M.-Nr. 07 499 260

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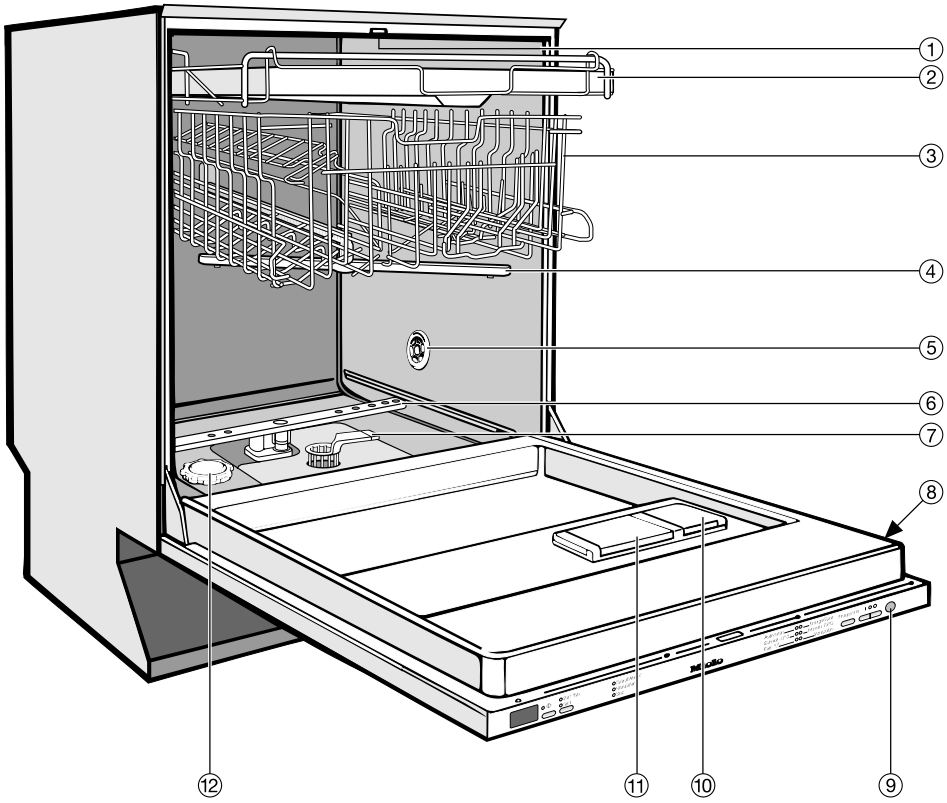
Appliance overview



① Upper spray arm (not visible)

② Cutlery tray (depending on model)

③ Upper basket

④ Middle spray arm

⑤ Air inlet for drying (depending on model)

⑥ Lower spray arm

⑦ Filter combination

⑧ Data plate

⑨ In-operation indicator light

⑩ Rinse aid reservoir

⑪ Dual compartment detergent dispenser

⑫ Salt reservoir

Guide to the appliance

Control panel

① Time display

② Delay start button ⏱ with indicator light

③ "Turbo/Tab" button

④ Check/Refill indicators

⑤ Programmes

⑥ Programme selector button

⑦ On button I with indicator light

⑧ Off button ◯

⑨ In-operation indicator light

This instruction book applies to several different dishwasher models.
The specific dishwasher models below are referred to as follows:
G 1272, G 1282 etc. = G 1XXX
G 2272, G 2282 etc. = G 2XXX

The model numbers G 1XXX and G 2XXX used in this book refer to the model designation specified on the data plate of the appliance (and not the description on the control panel).
The data plate is located at the top right hand side of the door.

This appliance conforms to current safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.
To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before using it for the first time. They contain important information on its safety, use and maintenance.
Keep these instructions in a safe place and pass them on to any future owner.

Correct application

▶ This dishwasher is intended exclusively for cleaning domestic crockery and cutlery in a domestic household. Using it for purposes other than those for which it was designed, as well as any alterations or conversions to the appliance, would be unauthorised and could cause harm. The manufacturer cannot be held liable for damage resulting from improper or incorrect use of the appliance.

▶ This dishwasher is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised whilst using it or they have been given instruction concerning its use by a person responsible for their safety.

Safety with children

▶ This appliance is not a toy! To avoid the risk of injury, keep children well away and do not allow them to play in or around the dishwasher, or to use the controls. They will not understand the potential dangers posed by it. They should be supervised whenever you are working in the kitchen. There is a danger that children playing might shut themselves in the dishwasher.

▶ Older children may only use the dishwasher when its operation has been clearly explained to them and they are able to use it safely, recognising the dangers of misuse.

▶ Keep children away from detergents. Dishwasher detergents contain irritant and corrosive ingredients which can cause burning in the mouth, nose and throat if swallowed, or inhibit breathing. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet. Consult a doctor immediately if your child has swallowed or inhaled detergent.

Warning and Safety instructions

Technical safety

▶ Before setting up the appliance, check it for any externally visible damage. Under no circumstances should you use a damaged appliance. A damaged appliance could be dangerous.

▶ The dishwasher must only be plugged into the electricity supply via a suitable switched socket. The electrical socket must be easily accessible after the dishwasher has been installed so that it can be disconnected from the electricity supply at any time. (See "Electrical connection").

▶ There must be no electrical sockets behind the dishwasher. Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug.

▶ The dishwasher must not be installed under a cooktop. The high radiant temperatures which are sometimes generated by a cooktop could damage the dishwasher. For the same reason it should not be installed next to open fires or other appliances which give off heat, such as heaters etc.

▶ Do not connect the dishwasher to the mains supply until it has been fully installed.

▶ Before connecting the appliance, check that the connection data on the data plate (voltage and connected load) match the mains electricity supply. If in any doubt, consult a qualified electrician.

▶ The electrical safety of this appliance can only be guaranteed when continuity is complete between it and an effective earthing system. It is most important that this basic safety requirement is present and regularly tested and where there is any doubt the electrical system in the house should be checked by a qualified electrician. The manufacturer cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ Do not connect the appliance to the mains electricity supply by a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).

▶ This equipment may only be installed in mobile installations such as ships if a risk assessment of the installation has been carried out by a suitably qualified engineer.

▶ The plastic housing of the water connection contains an electrical component. The housing must not be dipped in water.

▶ There are live wires in the water inlet hose. Never cut the water inlet hose, even if it is too long.

▶ The integrated Waterproof System offers protection from water damage, provided the following conditions are met:

– The dishwasher is correctly installed and plumbed in.
– The dishwasher is properly maintained and parts are replaced where it can be seen that this is necessary.
– The tap has been turned off when the appliance is not used for a longer period of time (e.g. during holidays).

The Waterproof system will work even if the appliance is switched off. However, the appliance must remain connected to the electricity supply.

▶ A damaged appliance could be dangerous. If the dishwasher gets damaged, switch it off at the mains and call your Miele Chartered Agent or the Miele Customer Contact Centre.

▶ Unauthorised repairs could result in unforeseen dangers for the user, for which Miele cannot accept liability. Repairs should only be undertaken by a Miele approved service technician.

▶ Faulty components must only be replaced by genuine Miele original spare parts. The manufacturer can only guarantee the safety of the appliance when Miele replacement parts are used.

▶ Always disconnect the dishwasher from the electrical supply for maintenance work (switch off at the wall socket and remove the plug).

▶ If the connection cable is damaged it must be replaced with a Miele cable by a Miele approved service technician only.

▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the guarantee.

Warning and Safety instructions

Installation

▶ The dishwasher must be installed and connected in compliance with the installation instructions.

▶ The dishwasher must be correctly aligned to ensure problem-free operation.

▶ In order to ensure stability, built-under and integrated dishwashers must only be installed under a continuous worktop which is secured to adjacent cabinetry.

▶ If you want to convert your freestanding dishwasher to a built-under ("U") model, you will need to order the appropriate conversion kit. If you remove the existing plinth, you must replace it with a U-model plinth. This is necessary to avoid the risk of injury caused by protruding metal parts.

Correct use

▶ Do not use solvents in the dishwasher. Danger of explosion.

▶ Do not inhale or ingest dishwasher detergent. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Consult a doctor immediately if detergent has been swallowed or inhaled.

▶ Avoid leaving the door open unnecessarily, as you could trip over it.

▶ Do not sit or lean on the opened door. This could cause the dishwasher to tip and be damaged, and you could get injured.

▶ Only use detergent and rinse aid formulated for domestic dishwashers. Do not use washing-up liquid.

▶ Do not use commercial or industrial detergents as these may cause damage, and there is a risk of severe chemical reaction.

▶ Do not fill the rinse aid reservoir with powder or liquid detergent. This will cause serious damage to the reservoir.

▶ Inadvertently filling the salt reservoir with powder or liquid dishwasher detergent will damage the water softener. Make sure you have bought the correct packet of dishwasher salt before filling the salt reservoir!

▶ Please only use special coarse grained dishwasher salt for reactivation, as other salts may contain insoluble additives which can impair the functioning of the softener (see "Filling the salt reservoir").

▶ In an appliance with a cutlery basket (depending on model) cutlery is cleaned and dried more efficiently if placed in the basket with the handles downwards. However, to avoid the risk of injury, place knives and forks etc. with the handles upwards.

▶ Plastic items which cannot withstand being washed in hot water, such as disposable plastic containers, or plastic cutlery and crockery should not be cleaned in the dishwasher. The high temperatures in the dishwasher may cause them to melt or lose shape.

▶ On models with "Delay start", make sure that the dispenser is dry before adding detergent. Wipe dry if necessary. Detergent will clog if poured into a damp dispenser and may not be thoroughly dispersed.

Accessories

▶ Only use genuine Miele spare parts and accessories with this appliance. If spare parts or accessories from other manufacturers are used, this will invalidate the guarantee, and Miele cannot accept liability.

Disposal of your old dishwasher

▶ Make the door lock inoperative so that children cannot accidentally shut themselves in. Make appropriate arrangements for the disposal of the appliance.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

Caring for the environment

Disposal of the packing material

The packing material protects the dryer from transport damages. The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

The packaging consists of the following materials:

Outer packaging:

– Corrugated cardboard made from up to 100% recyclable material:
or: Polyethylene (PE) protective wrap

– Polyproplylene (PP) strapping

Inner packaging:

– Chlorine and fluorine free expanded polystyrene (EPS)

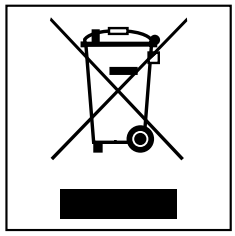
– Base, lid frame and support battens made from untreated natural wood from renewable forests

– Polyethylene (PE) protective wrap

Rather than just throwing these materials away, please ensure they are offered for recycling.

Disposal of your old appliance

Electrical and electronic machines often contain materials which, if handled or disposed of incorrectly could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance. Therefore, please do not dispose of it with your household waste.



Please dispose of it at your local community waste collection/recycling centre or contact you dealer for advice. Ensure that it presents no danger to children while being stored for disposal. You can also contact your Chartered Agent for advice.

It should be unplugged or disconnected from the mains electricity supply by a competent person.

To enable sorting by type of plastic for recycling, all plastic parts of the appliance are labelled with international standard symbols.

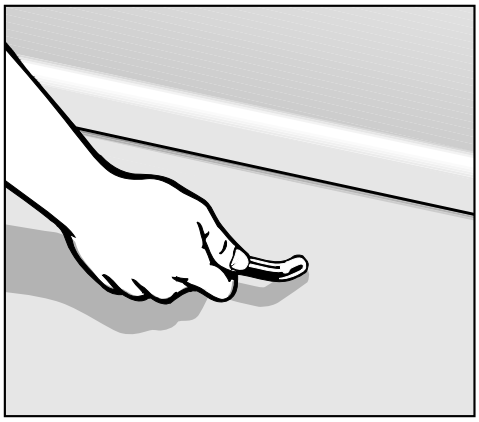
Energy saving washing

This dishwasher is exceptionally economical in its use of water and electricity.
You can make the most of your appliance by following these tips:

- If your household water system is suitable, this dishwasher can be connected to a hot water supply for further economies. If the water is heated by for example, solar panels, this would be energy efficient. However, if your water is heated by electricity we would recommend connection to cold water.
- For most economical dishwashing, make full use of the baskets without overloading the dishwasher.
- Choose the programme to suit the type of crockery being washed and the degree of soiling.
- Select the Normal programme for energy-saving dishwashing.
- Follow the detergent manufacturer's recommendations on detergent dosage.
- When using powder or liquid detergent you can use $^1/_3$ less detergent if baskets are only half full.

Before using for the first time

To open the door



- Pull the handle.

If the door is opened during operation all functions are automatically interrupted.

To close the door

- Push the baskets right in.
- Then lift the door upwards and push until it clicks into position.

Water softener

In order to achieve good cleaning results, the dishwasher needs to operate with soft water. Hard water results in the build-up of calcium deposits on crockery and in the dishwasher.
Mains water with a hardness level **higher than 0.7 mmol/l (4° d – German scale)** needs to be softened. This takes place automatically in the integrated water softener.

– The water softener requires dishwasher salt.
  If you use combination products which have salt in them, such as "3 in 1" or "4 in 1" products in your dishwasher, you should still add salt in order to achieve optimum results.
– The dishwasher must be programmed for the water hardness in your area.
– Your local water authority will be able to advise you of the water hardness level in your area.

Where the water hardness fluctuates e.g. between 1.4 - 3.1 mmol/l (8 - 17 °d German scale) always programme the dishwasher to the higher value (3.1 mmol/l in this example).

In the event of a fault, it will help the service technician if you know the hardness of your local water supply.

■ Enter the water hardness below:

_____ mmol/l or °d

The dishwasher is programmed at the factory for a water hardness level of 0.2 mmol/l (1 °d).

If this setting corresponds to the hardness of your water you do not need to do anything more.

If your water is harder or softer, you will need to programme the water hardness level. See following section.

Before using for the first time

To programme the water hardness level

Each time a button is pressed, one of the indicator lights will flash and light up in the control panel. However, only the indicator lights mentioned in the following programming process stages are significant.

> The programming procedure can be cancelled at any time by pressing the Off button ◯. The procedure can then be re-started from the beginning again.

- Switch the dishwasher off using the Off button ◯.
- Press the programme selector button in, and **whilst holding it in** switch the dishwasher on using the On button I.
  Keep the programme selector button pressed in for at least four seconds until the lower right hand programme indicator comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Turbo/Tab button twice.

The Tab indicator light will flash briefly twice at intervals.

The characters "*P 1*" will flash one after the other in the display.
This means that the water hardness level has been set at 1 °d (0.2 mmol/l) (factory setting).

The value which has been set for the water hardness is shown as a figure after the "*P*" in the display (see the following chart).

Use the programme selector button to select the value which corresponds to your water hardness level.
Each press on the button moves you up a level. When the highest water hardness level is reached, the setting starts from the beginning again.

- Switch the dishwasher off with the Off button ◯.

°d German scale	mmol/l	°f	Value displayed
1	**0.2**	**2**	**1**
2	0.4	4	2
3	0.5	5	3
4	0.7	7	4
5	0.9	9	5
6	1.1	11	6
7	1.3	13	7
8	1.4	14	8
9	1.6	16	9
10	1.8	18	10
11	2.0	20	11
12	2.2	22	12
13	2.3	23	13
14	2.5	25	14
15	2.7	27	15
16	2.9	29	16
17	3.1	31	17
18	3.2	32	18
19	3.4	34	19
20	3.6	36	20
21	3.8	38	21
22	4.0	40	22
23	4.1	41	23
24	4.3	43	24
25	4.5	45	25
26	4.7	47	26
27	4.9	49	27
28	5.0	50	28
29	5.2	52	29
30	5.4	54	30
31	5.6	56	31
32	5.8	58	32
33	5.9	59	33
34	6.1	61	34
35	6.3	63	35
36	6.5	65	36
37-45	6.7-8.1	67-81	45
46-60	8.3-10.8	83-108	60
61-70	11.0-12.6	110-126	70

To call up the water hardness level in the display

- Switch the dishwasher off with the Off button ◯.
- Press the programme selector button in, and **whilst holding it in** switch the dishwasher on using the On button I.
  Keep the programme selector button pressed in for at least four seconds until the lower right hand programme indicator comes on.
- Press the Turbo/Tab button twice.

The Tab indicator light will flash briefly twice at intervals.

Characters will flash in sequence in the display.
The figure(s) after the "*P*" is the value for the water hardness level which has been set (see chart).

- Switch the dishwasher off with the Off button ◯.

Before using for the first time

Before using the appliance for the first time, you require:

– Approx. 2 litres of water,

– Approx. 2 kg dishwasher salt,

– Domestic dishwasher detergent,

– Rinse aid formulated for domestic dishwashers.

Every dishwasher is tested at the factory.
There will be residual water in the appliance from this test. It is not an indication that it has been used previously.

Filling the salt reservoir

If you use combination products which have salt in them in your dishwasher, such as "3 in 1" or "4 in 1" products, you should still add salt in order to achieve optimum results and to ensure that the water softener continues to function correctly. Selecting the Combi tabs option reduces salt consumption to between $^1/_3$ and $^1/_4$ of the normal amount.

Important: Before filling the salt reservoir with dishwasher salt for the **first time**, you must fill it with approx. 1 litre of water to enable the salt to dissolve. Once the dishwasher has been used, there is always sufficient water in the reservoir.

If the water in your area is very soft and constantly **lower than 0.7 mmol/l (4 °d)** you do **not** need to add salt.
The water softener must, however, still be programmed to correspond to the water hardness level in your area.

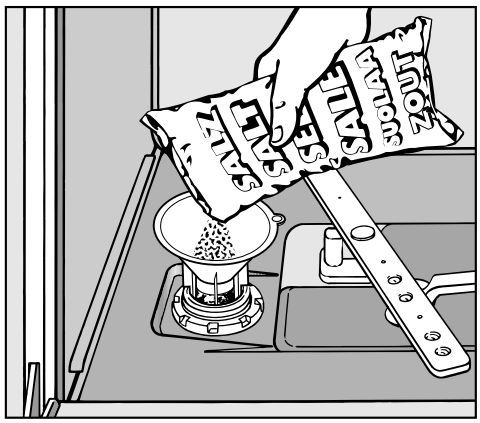
⚠ Inadvertently filling the salt reservoir with powder or liquid dishwasher detergent will damage the water softener.

⚠ Miele recommends using specially designed dishwasher salt to maximize the performance of your dishwasher and to prevent build-up of calcium and limescale in the dishwasher cabinet, especially if you live in hard water area.
Dishwasher salt can be purchased online at www.miele-shop.com (depending on country) or via the Miele Spare Parts Department.

■ Remove the lower basket and unscrew the salt reservoir cap.

Water or saline solution will run out of the reservoir when the cap is removed. It should therefore only be removed in order to refill the salt reservoir.

■ Fill the reservoir with approx. 2 litres of water (first use only).



■ Place the funnel provided over the salt reservoir and carefully fill with salt until the reservoir is full. The salt reservoir holds approx. 2 kg of salt.

■ Clean any excess salt from around the reservoir opening and then screw the cap on again **firmly**.

■ Run the Quick wash programme immediately (without any crockery in the dishwasher, and without selecting the "Turbo" extra option) to remove any traces of salt from the cabinet.

Insufficient salt indication

■ Fill the salt reservoir with dishwasher salt when the salt indicator light comes on. (If it comes on during a programme, wait until the end of the programme).

After the reservoir has been filled, the water softener is automatically reactivated the next time the dishwasher is run. The salt indicator light may still be illuminated during this process. It will go out once the salt concentration has reached the correct level.

The salt indicator is deactivated when the dishwasher has been programmed to a water hardness level below 0.7 mmol/l (4 °d).

⚠ Run the Quick wash programme immediately (without any crockery in the dishwasher, and without selecting the "Turbo" extra option) to remove any traces of salt from the cabinet.

Before using for the first time

Rinse aid

Rinse aid is necessary to ensure water does not cling and leave marks on crockery during the drying phase and helps crockery dry faster after it has been washed.
Rinse aid is poured into the storage reservoir and the amount set is dispensed automatically.

⚠ Inadvertently filling the rinse aid reservoir with powder or liquid detergent will damage the reservoir. Only pour rinse aid formulated for domestic dishwashers into the reservoir. Otherwise you will cause serious damage to the reservoir.

Alternatively, it is possible to use

– household vinegar with a max. 5% acid content

or

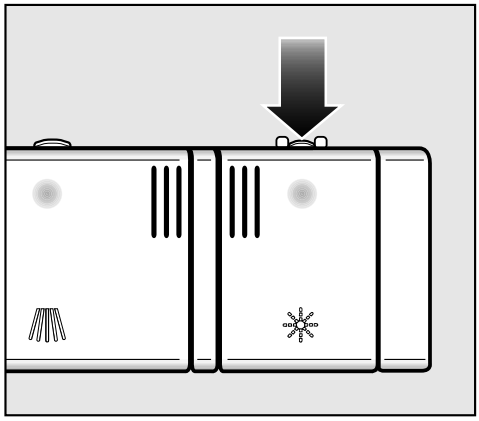
– liquid citric acid up to 10% acid content.

The resulting rinsing and drying quality will not, however, be as good as when rinse aid is used.

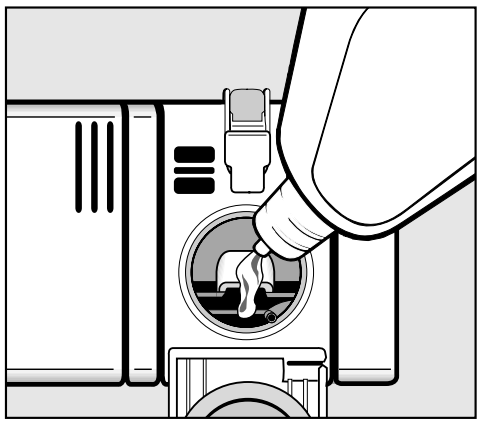
⚠ Do not use vinegar with a higher acid content (e.g. vinegar essence 25% acid). This would damage the dishwasher.

If you only ever use combination products containing rinse aid in your dishwasher, you do not need to add rinse aid.

Adding rinse aid



■ Press the button on the lid of the salt reservoir in the direction of the arrow until the flap springs open.



- Add rinse aid only until it is visible in the opening.

The rinse aid reservoir holds approx. 110 ml.

- Close the flap firmly so that it clicks into place. Otherwise water can enter the rinse aid reservoir during a programme.
- Wipe up any spilled rinse aid. This prevents over-foaming occurring during the next programme.

Rinse aid indicator

When the light comes on the reservoir contains sufficient rinse aid for 2 - 3 programmes only.

- Add rinse aid in plenty of time.

If the Tab function has been selected, the rinse aid indicator light will not come on (see "Additional functions, Turbo/Tab").

Before using for the first time

Setting the rinse aid dosage

The rinse aid dosage can be set from approx. 0-6 ml. It is set to a recommended setting of approx. 3 ml at the factory.

If spots appear on crockery and glassware:

- Increase the rinse aid dosage.

If clouding or smearing appears on crockery and glassware:

- Decrease the rinse aid dosage.

- Switch the dishwasher off with the Off button ◯.
- Press the programme selector button in, and **whilst holding it in** switch the dishwasher on using the On button I.
  Keep the programme selector button pressed in for at least four seconds until the lower right hand programme indicator comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Turbo/Tab button three times.

The Tab indicator light will flash briefly three times at intervals.

P 3 will flash in the Time display.
This means that the rinse aid dosage has been set to 3 ml at the factory.

The dosage set will show in the Time display after the *P*.

- Use the programme selector button to select the rinse aid dosage you want.
  The dosage amount alters each time you press the button.

The programmed rinse aid dosage is now stored in memory.

- Switch the dishwasher off with the Off button ◯.

Note

Remove coarse food residues from crockery.

There is no need to rinse items under running water.

⚠ Do not wash items soiled with ash, sand, wax, lubricating grease or paint in the dishwasher.
These materials will cause damage to the dishwasher.

Crockery can be loaded anywhere in the baskets, but the following notes should be observed:

– Do not place crockery and cutlery inside other pieces where they may be concealed.
– Load the crockery so that water can access all surfaces. This ensures that they get properly cleaned.
– Make sure that all items are securely positioned.
– Hollow items such as cups, glasses, pans, etc. must be inverted in the basket.
– Tall, narrow, hollow items, e.g. champagne glasses, should be placed in the centre of the basket to ensure better water coverage.
– Wide based items should be placed at an angle so that water can run off them freely.
– The spray arms must not be blocked by items which are too tall or hang through the baskets.
If in doubt, test for free movement by manually rotating the spray arms.
– Make sure that small items cannot fall through the holders in the baskets.
Small items, e.g. lids, should therefore be placed in the cutlery tray or cutlery basket (depending on model).

Some foodstuffs may contain natural dyes, e.g. carrots, tomatoes or tomato sauce. Plastic items in the dishwasher may discolour if large quantities of these foodstuffs find their way into the appliance on the crockery. The stability of plastic items is not affected by this discolouration.

Loading the dishwasher

Items not suitable for dishwashers:

– Wooden cutlery and crockery or items with wooden parts: these may discolour and fade. The glue used in these items is not dishwasher-proof and wooden handles may come loose after being washed in a dishwasher.

– Craft items, antiques, valuable vases and decorative glassware are also not suitable for dishwashers.

– Plastic items which are not heat resistant can melt or lose shape.

– Copper, brass, tin and aluminium items may discolour or become matt.

– Colours painted over a glaze may fade after a number of washes.

– Clouding may occur on glasses after frequent washing. Do not wash delicate glassware, or glassware containing lead crystal in a dishwasher.

We recommend:

– When purchasing new crockery and cutlery, make sure they are dishwasher-proof.

– If delicate glassware is washed in the dishwasher ensure that only very low temperatures are used (see programme chart), or a special glass-care programme is used (depending on model). This will reduce the risk of clouding.

– Wash particularly delicate glassware by hand

Please note

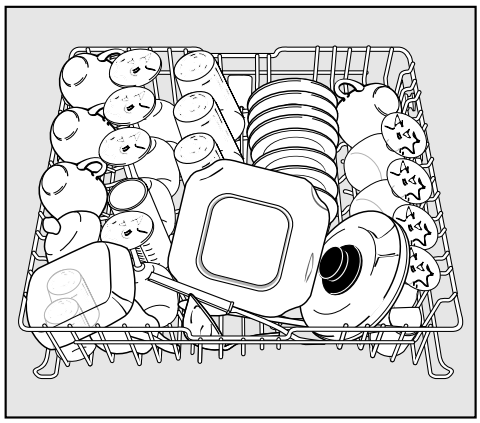
Silverware previously cleaned with a **silver polish** may still be damp or spotted at the end of a programme, where water has not run off smoothly. It may need to be rubbed dry with a soft cloth. It may need to be rubbed dry with a soft cloth.

Silver which has been in contact with foods containing sulphur can discolour. These include egg yolk, onions, mayonnaise, mustard, pulses, fish, fish brine and marinades.

⚠ Aluminium components (e.g. grease filters) must not be cleaned with caustic alkaline commercial or industrial cleaning agents. These may damage the material, or in extreme cases, cause a severe chemical reaction. See section "Adding detergent" for information on suitable detergents.

Upper basket

⚠ For safety reasons, do not operate the dishwasher without the upper and lower baskets in place.



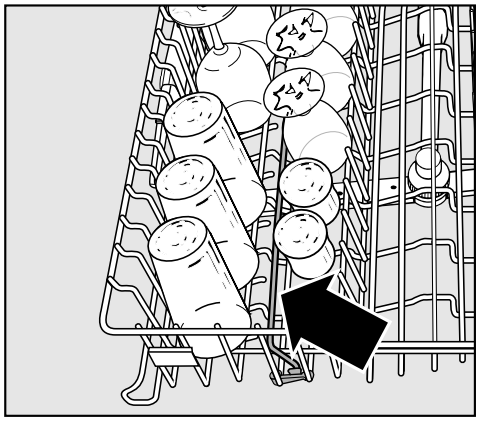
- Use the upper basket for small, lightweight and delicate items such as cups, saucers, glasses, dessert bowls, etc. Shallow pans or casserole dishes can also be placed in the upper basket.
- Long items such as soup ladles, mixing spoons and long knives should be placed lying down across the front of the upper basket.

Hinged cup rack

- To make room for tall items, raise the rack upwards.

Positioning rail (depending on model)

Glasses can be arranged along the positioning rail to give them some support during the programme.



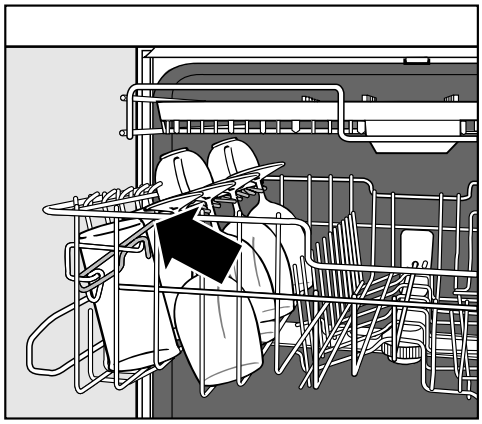
- Raise the rail, and lean the glasses against it.

The positioning rail can be flipped over to the middle of the basket for easy sorting and removing of crockery.

Loading the dishwasher

Universal support (depending on model)

This support is designed to hold tall glasses and glasses with stems securely.



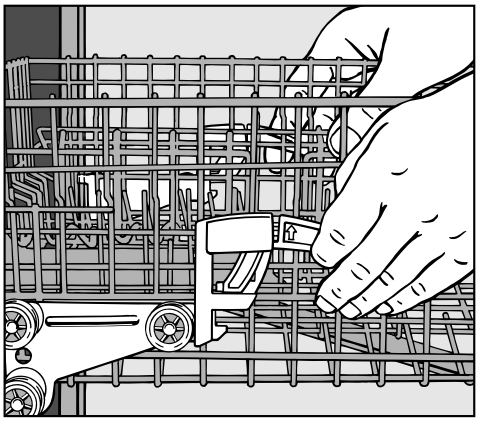
■ Lower the support and lean tall glasses against it.

Adjusting the upper basket

In order to gain more space for taller pieces of crockery in the bottom or upper basket, the upper basket can be adjusted on three levels with 2 cm between each level.

The upper basket can also be set at an angle with one side high and the other side low. This can be useful to help prevent water collecting in deep dishes etc. Ensure, however, that the basket can be inserted smoothly into the cabinet. It is better to adjust the basket before loading it.

- Pull out the upper basket.



To raise the upper basket:
- Pull the basket up until it clicks into place.

To lower the upper basket:
- Pull upwards on the levers at either side of the upper basket.
- Adjust the basket to the desired height and then push the levers securely back down into position.

Depending on the setting of the upper basket, the following plate dimensions can be accommodated.

Dishwasher with cutlery tray
(see data plate for model number)

Upper basket level	Plate ∅ in cm		
	Upper basket		Lower basket
	G1XXX	G2XXX	
Top	15	19	31
Middle	17	21	29
Bottom	19	23	27

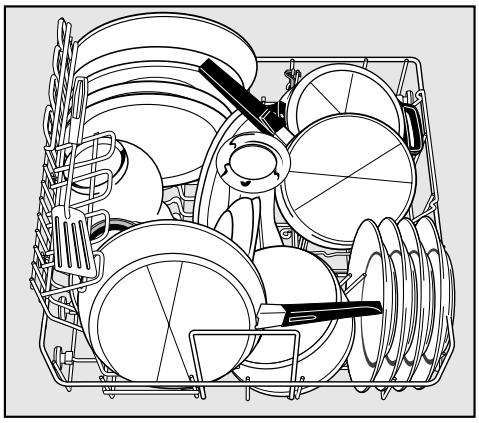
Dishwasher with cutlery basket
(see data plate for model number)

Upper basket level	Plate ∅ in cm		
	Upper basket		Lower basket
	G1XXX	G2XXX	
Top	20	24	31
Middle	22	26	29
Bottom	24	28	27

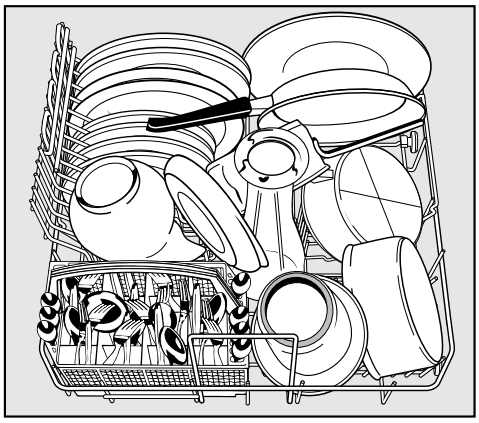
Loading the dishwasher

Lower basket

■ For larger and heavier items such as plates, serving platters, saucepans, bowls, etc.
Small items such as saucers can also be placed in the lower basket.
Do not place thin, delicate glassware in the lower basket.



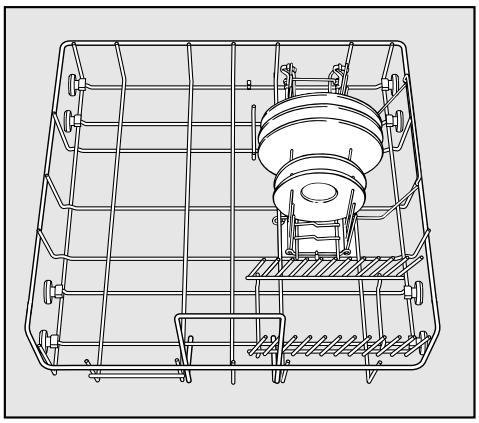
Dishwashers with cutlery tray



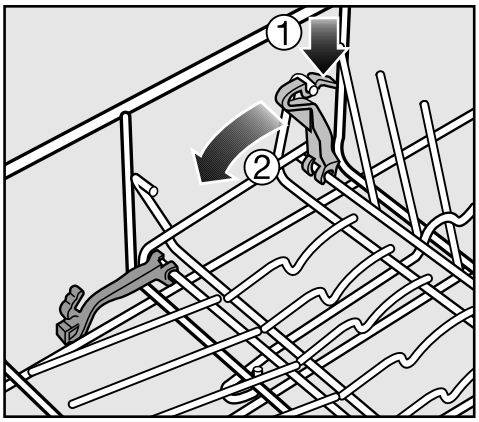
Dishwashers with cutlery basket

Hinged spikes

The spikes are used for washing plates and saucers.



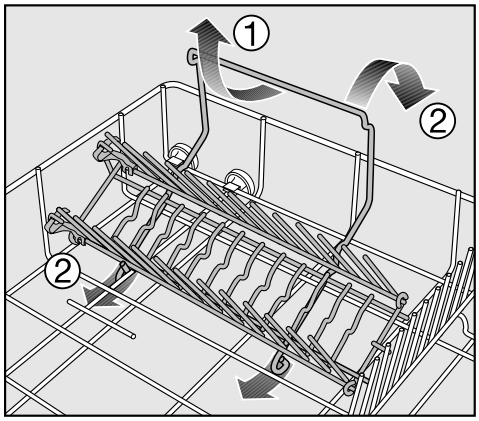
Both rows of spikes at the back can be lowered to make more room for large items, e.g. pots, pans and dishes.



■ Press the yellow lever downwards ①, and then lower the spikes ②.

Removable spiked insert

You can remove the spiked insert to make more room for larger items of crockery, e.g. a large, flat pot, or another type of insert.



To remove the insert ①

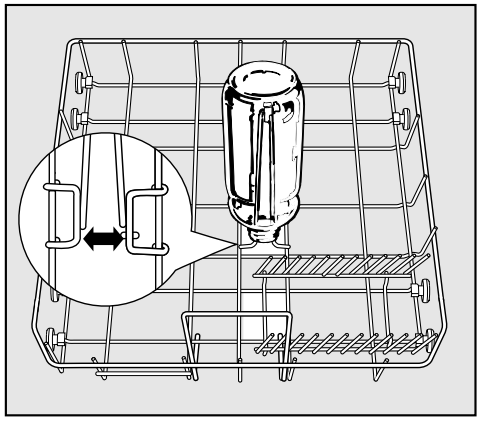
- Pull it upwards by the handle as shown.

To replace the insert ②

- Fit the insert into the lower basket with the hooks going under the long cross-piece as illustrated.
- Press down on the handle until the insert is held securely in position.

Bottle holder (depending on model)

The bottle holder can be used to wash narrow items, e.g. milk and baby bottles.

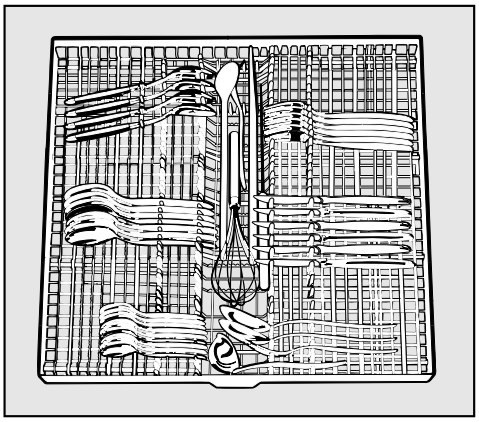


- Place the bottle holder in the position shown in the bottom basket. If placed anywhere else, water will not be able to access the bottle properly, and cleaning results will be impaired.

Loading the dishwasher

Cutlery

Cutlery tray (depending on model)

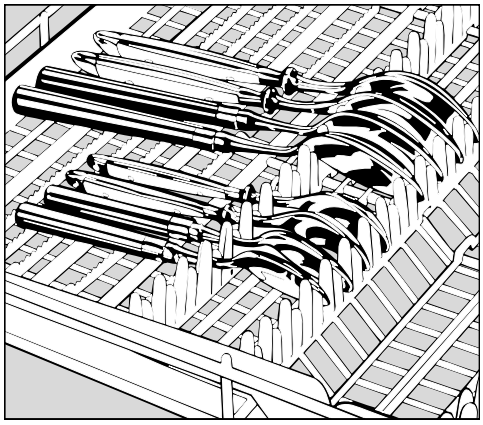


- Arrange the cutlery in the tray as shown.

To make unloading much easier, cutlery should be grouped in zones, one for knives, one for forks, one for spoons, etc.

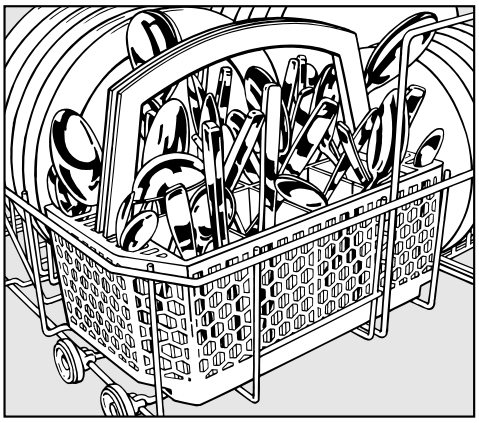
Spoon heads should be placed in contact with at least one of the serrated retainers on the base of the cutlery tray to ensure that water runs off them freely.

The upper spray arm must not be blocked by items which are too big (e.g. cake slices).



If spoon handles do not fit between the holders, then lay them the other way round.

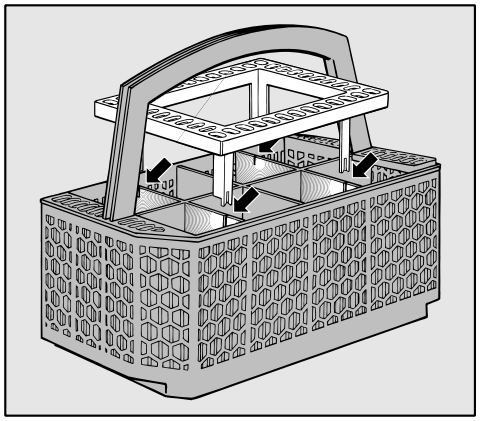
Cutlery basket (depending on model)



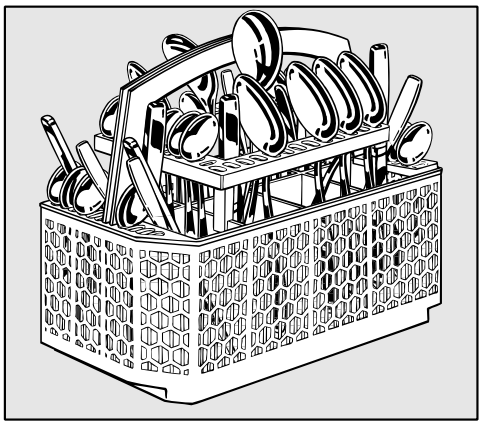
- To avoid the risk of injury, knives and forks should be placed with the handles upwards in the basket. However, cutlery placed handle down in the basket will come out cleaner and drier.
- Place small spoons in the individual slots to either side of the cutlery basket.

Cutlery insert for the cutlery basket

Use the insert supplied for heavily soiled spoons.
The insert separates the items so that they can be more easily accessed by water.



- Fit it into the cutlery basket if required.



- Insert cutlery with the handles facing downwards, and distribute them evenly along the insert.

Operation

Detergent

⚠ Only use detergents formulated for domestic dishwashers. Do not use washing-up liquid.

Active ingredients

Modern detergents contain various active ingredients, the most important of which are:

– Phosphates to prevent calcification.

– Alkalis to aid removal of dried on soiling.

– Enzymes to break down starch and loosen protein.

– Oxygen based bleaching agents to remove coloured stains (e.g. tea, coffee, tomato sauce).

Most dishwasher detergents contain phosphates and are mildly alkaline with enzymes and oxygen based bleaching agents. Phosphate free products are rare.

Types of detergent:

– Powder and liquid gel detergents. These detergents allow you to adjust the amount dispensed according to the size of load and level of soiling.

– Tab detergents. These are suitable for most levels of soiling.

Miele branded dishwasher powder and tabs are available from the Miele Spare Parts Department or via the Internet, depending on country.

A variety of combination products is also available (see section "Additional functions, Combi-tab", depending on model).
In addition to detergent, combi tabs contain rinse aid and salt substitutes. Combi tabs are available as "3 in 1" or, when they also contain other components such as glass and stainless steel protective additives and enhanced cleaning power, as "4 in 1", "5 in 1" etc. Refer to the manufacturer's packaging as to whether the combi tabs are suitable for the water hardness level in your area. Please note that the cleaning and drying results of tab detergents can vary greatly.

For optimum cleaning and drying results use Miele dishwasher detergent and add Miele salt and Miele rinse aid separately.

Under certain circumstances unsatisfactory washing and drying results might be noticed when using combination dishwasher detergents. These products contain a combination of detergent and rinse aid or detergent and salt (2 in 1) or detergent, rinse aid and salt (3 in 1). Drying results might not be as good as expected or residues or flecks might be left on crockery. If results are still unsatisfactory, even after seeking advice from the detergent manufacturer, we suggest that you change to a different product or use a traditional dishwasher detergent.

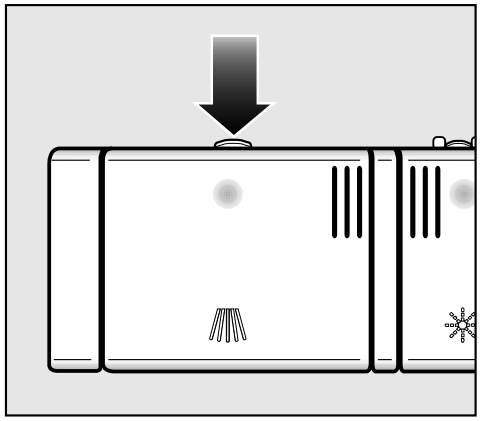
Dispensing

- Follow the dosage recommended by the manufacturer on the packaging.
- Unless directed otherwise, use one detergent tab or add 20 to 30 ml detergent in compartment II, depending on the level of soiling. With very heavy soiling you can also add a small amount of detergent to compartment I (see "Programme chart").
- Do not use tabs with the "Quick" programme, as they will not dissolve properly.

Failure to dispense the recommended amount of detergent may impair cleaning results.

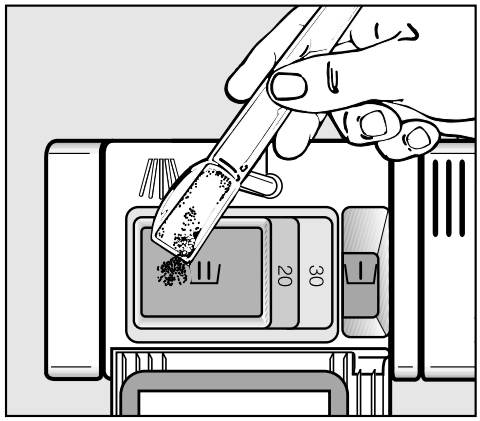
⚠ Avoid inhalation of powder detergents and do not ingest dishwasher detergent. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Consult a doctor immediately if detergent has been swallowed or inhaled.
Keep detergent and other household agents out of the reach of children at all times. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet. To avoid the danger of children coming into contact with the dishwasher detergent, only add detergent just before starting the programme and close the door, activating the child safety lock (if your dishwasher is fitted with one).

Adding detergent



■ Press the opening catch on the detergent dispenser. The flap will spring open.

The flap is always open at the end of a programme.



■ Add the required amount of detergent and close the flap.

■ Make sure that the detergent packaging is properly closed after use to avoid it getting damp and becoming lumpy.

For information

Compartment I holds max. 10 ml, Compartment II holds max. 50 ml.

There are markings in compartment II to assist with dispensing: 20, 30. The marks indicate a level of approx. 20 or 30 ml when the door is open in a horizontal position.

Switching on

- Open the tap, if it is closed.
- Open the door.
- Make sure the spray arms are not obstructed.
- Switch the dishwasher on using the I button.

The On indicator I and the indicator for the last used programme light up.

Select a programme

Choose your programme according to the type of load and how dirty it is.

The different programmes and their uses are described in the **Programme chart** later on in this booklet.

Start the programme

- Select the programme required with the programme selector button.

The indicator light for the programme selected lights up.
The programme duration will appear in hours and minutes in the display.
If the Turbo and/or Tab functions have been selected, the corresponding indicator(s) will also light up.

You can now select an additional function (see "Additional functions").

- Close the door.

The In-operation indicator lights up.The programme starts.

A programme can only be cancelled in the first few minutes. Otherwise the programme must continue to the end so that important programme stages (e.g. reactivating the water softener) are not omitted.

Time Display

The duration of the programme selected appears in hours and minutes in the display before the programme begins. During the programme, the time left until the end of the programme is displayed.

The time displayed may vary with the same programme. This is partly because of the water temperature at each intake, the reactivation cycle and partly because of the amount of crockery and how dirty it is.

When a programme is selected for the first time, the display shows an average time for a cold water intake.

The times shown in the programme chart refer to standard test loads and temperatures.

Each time a programme is run, the electronic unit takes the new conditions into account, and calculates the time required.

To save energy the display goes out after a few minutes, if you do not touch any sensors during this time. Touching any sensor will switch the display back on again (except for the button ◯).

At the end of a programme

At the end of a programme, the In-operation indicator light will be visible flashing slowly with the door shut.

0 appears in the Time display.

You can now empty the dishwasher.

The In-operation indicator light will go out one hour after the end of the programme.

⚠ To prevent the risk of steam damage to the worktop edging above the dishwasher, it is advisable to leave the door closed until you are ready to unload the crockery. Alternatively you can open the door fully until the crockery is cool enough to unload. Do not leave the door only partially open.

Switching off

At the end of a programme:

- Open the door.
- Switch the dishwasher off using the Off button ◯.

The dishwasher will continue to use electricity until it is switched off with the ◯ button.

If the dishwasher is not going to be used for a longer period of time, e. g. whilst on holiday, the tap should be turned off.

Unloading the dishwasher

Dishes tend to break and chip more easily when they are hot.
Allow the dishes to cool until they are comfortable enough to handle before unloading them.

If you open the door fully after switching off, the dishes will cool much faster.

First unload the lower basket, then the upper basket and finally the cutlery tray (depending on model).
This will prevent water drops from the upper basket and cutlery tray from falling onto the dishes in the lower basket.

Operation

Interrupting a programme

Operation is interrupted as soon as the door is opened.
If the door is closed again, the programme will continue from the point it was at before the door was opened.

⚠ Water in the dishwasher may be hot. Danger of scalding.
Only open the door if absolutely necessary and exercise extreme caution when doing so. Before closing the door again, leave it ajar for approx. 20 seconds. This will enable the temperature in the wash cabinet to settle. Then raise the door upwards until the catch engages.

Changing a programme

If the detergent dispenser flap has already opened, do not change the programme.

If a programme has already started and you wish to change it, proceed as follows:

- Open the door.
- Press the ◯ button.
- Press the I button.
- Select the programme required with the programme selector button.
- Close the door.

The In-operation indicator lights up.The programme starts.

Turbo/Tab

The Turbo/Tab button is used for selecting the Turbo and Tab options.

- Open the door.
- Switch the dishwasher on with the On button I.

The On indicator light I comes on.

- Press the Turbo/Tab button repeatedly until the indicator light for the option you want comes on.

The option selected is active on all programmes until the setting is changed.

- You can now start a programme or switch the dishwasher off using the Off button ◯.

Turbo

The "Turbo" function is used to reduce the duration of programmes in which this function is available.

In order to achieve optimum cleaning results consumption rates are increased with this option.

If a full programme is not yet required, the Turbo function can be used in conjunction with the Quick wash programme to rinse off dirty crockery.

Combi tab

To ensure excellent results you can programme your dishwasher for the type of detergent you are using.
The Turbo/Tab button is used for selecting the Turbo and Tab options.

The programme sequence and duration will be adjusted for the type of detergent selected. Depending on the programme, the duration can be considerably longer.

If the Tab indicator does not light up, the dishwasher is set for standard detergent.

If the Tab indicator lights up, the programme sequence will be adapted to suit detergents that contain rinse aid and salt as well as other components where applicable.
The rinse aid dispenser and the rinse aid indicator light are deactivated.
Salt consumption for reactivating the water softener is reduced to $^1/_3$ to $^1/_4$ of the normal amount.

Do not select the Tab option if your water hardness level is above 3.8 mmol/l or 21°d.
Follow the detergent manufacturer's instructions.

The cleaning and drying performance of these types of detergent can vary enormously.

Additional functions

Delay start

The start time of a programme can be delayed, e.g. to benefit from economy rates of electricity. A delay start time of between half an hour and 24 hours can be selected.

With a delay start time of between 30 minutes and 9 hours 30 minutes, the delay is set in 30 minute stages. For 10 hours or more, it is set in one hour stages.

When using the Delay start function, make sure that the detergent compartment is dry before adding detergent. Wipe dry with a cloth if necessary. If the compartment is wet, powder detergent can become lumpy and stick to the dispenser, with the result that it is not fully dispensed. Do not use liquid detergent when selecting Delay start, as it can run into the dishwasher before it is required.

- Open the door.
- Switch the dishwasher on with the On button I.

The On indicator light I comes on.

- Select the programme required with the programme selector button.
- Press the ⏱ button.

The last Delay start time used will appear in the Delay start display. The On indicator light ⏱ comes on.

- Set the required time using the ⏱ button.

If the button ⏱ is kept pressed in, the time will increase automatically up to 24h. To start again with 30 minutes, press the ⏱ button twice.

- Close the door.

The time starts counting down until the programme start time: in 1 hour steps for delay start periods of over 10 hours, and in minutes for delay start periods of under 10 hours.

When the set time is reached, the programme selected will begin automatically. The time left for a programme to run then shows in the display, the indicator light ⏱ goes out and the ndicator light for the selected programme comes on.

How the Delay start time is shown in the display:

up to 59 minutes:
e.g. 30 minutes = *30*

1 hour up to 9 hours 30 minutes
e.g. 5 hours = *5.00*

more than 10 hours:
e.g. 15 hours = *15h*

Starting a programme before the Delay start period has elapsed:

Proceed as follows:

- Open the door.
- Press the ◯ button.
- Press the I button.
- Select the programme required with the programme selector button.
- Close the door.

The In-operation indicator lights up. The programme will begin.

Additional functions

Buzzer

An audible tone sounds at the end of the programme or if there is a fault.

You will hear the buzzer at the end of a programme in bursts of five with a short pause in between. The buzzer will continue to sound for up to an hour if you do not switch the dishwasher off.

In the event of a fault, the buzzer will sound continuously for up to two minutes if you do not switch the dishwasher off or correct the fault.

The buzzer is activated as standard at the factory.
You can deactivate the buzzer at the end of a programme if you wish. The buzzer will still sound if there is a fault, even if it has been deactivated.

- Open the door.
- Switch the dishwasher off with the Off button ◯.
- Press the programme selector button in, and **whilst holding it in** switch the dishwasher on using the On button I.
  Keep the programme selector button pressed in until the lower right hand programme indicator comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Turbo/Tab button four times.

The Tab indicator light will flash briefly four times at intervals.

The message flashing in the Time left display shows whether the buzzer at the end of the programme is activated or deactivated.

– *"P 1"*: The buzzer is activated.

– *"P 0"*: The buzzer is deactivated.

- To change the setting, press the programme selector button.

The setting is now stored in memory.

- Switch the dishwasher off with the Off button ◯.

Factory default setting

If you have altered any settings from the factory default, you can re-set them back to the factory default settings as follows:

- Open the door.
- Switch the dishwasher off with the Off button ◯.
- Press the programme selector button in, and **whilst holding it in** switch the dishwasher on using the On button I.
  Keep the programme selector button pressed in until the lower right hand programme indicator comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Turbo/Tab button twelve times.

The Tab indicator light will give one long flash and two brief flashes at intervals.

The flashing sequence in the Time display shows whether a setting other than the factory default setting has been set.

– "*P 1*": All settings are set to factory default settings.

– "*P 0*": At least one setting has been changed.

- To reset to the factory default settings, press the programme selector button.

The setting is now stored in memory.

- Switch the dishwasher off with the Off button ◯.

Additional functions

Adjust Sensor wash

You can adjust the Sensor wash programme so that it will remove stubborn soiling in a lightly soiled load.

- Open the door.
- Switch the dishwasher off with the Off button ◯.
- Press the programme selector button in, and **whilst holding it in** switch the dishwasher on using the On button I.
  Keep the programme selector button pressed in for at least four seconds until the lower right hand programme indicator comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Turbo/Tab button five times.

The Tab indicator light will flash briefly five times at intervals.

The message flashing in the Time display shows whether the Adjust Sensor wash function is activated or deactivated.

– "*P 1*": The Adjust Sensor wash function is activated.

– "*P 0*": The Adjust Sensor wash function is deactivated.

- To change the setting, press the programme selector button.

Switch the dishwasher off with the Off button ◯.

Check the condition of your dishwasher regularly (approx. every 4 - 6 months). This way faults and problems can be avoided.

⚠ The outer surfaces of the dishwasher are susceptible to scratching.
Contact with unsuitable cleaning agents can alter or discolour the outer surfaces.

Cleaning the wash cabinet

The wash cabinet is largely self-cleaning, provided that the correct amount of detergent is always used.

If, however, there are limescale or grease deposits in the cabinet, these can be removed with a proprietary dishwasher cleaner or conditioner.

Cleaning the door and the door seal

- Wipe the door seals regularly with a damp cloth to remove food deposits.
- When the dishwasher is being loaded, food and drink residues may drip onto the sides of the dishwasher door.
  These surfaces are outside the wash cabinet and are not accessed by water from the spray arms. Any soiling should be wiped off these surfaces before the door is closed.

Cleaning the reflector panel

The reflector panel for the In-operation indicator light is situated in the coverplate underneath the worktop.

- The reflector panel should only be wiped with a damp cloth or a suitable cleaning agent designed for use on plastic.

Cleaning and care

Cleaning the control panel and door front

⚠ Remove any soiling immediately. If not, it might become impossible to remove and could cause the outer surface to alter or discolour.

- The control panel should **only** be wiped with a damp cloth.
- Clean stainless steel surfaces using a microfibre cloth or with a solution of warm water and a little washing-up liquid applied with a soft sponge. Wipe the surfaces dry using a soft cloth.

To avoid damaging the outer surface, do not use:

- cleaning agents containing soda, ammonia, acids or chlorides
- cleaning agents containing descaling agents,
- abrasive cleaning agents, e.g. powder cleaners and cream cleaners,
- solvent-based cleaning agents,
- stainless steel cleaners
- dishwasher cleaner,
- oven sprays
- glass cleaning agents,
- hard, abrasive sponges and brushes, e.g. pot scourers
- sharp metal scrapers

Cleaning the filters in the wash cabinet

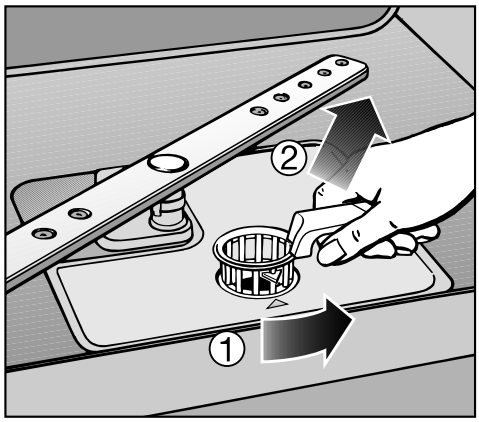
The filter combination in the base of the wash cabinet retains coarse soil from the suds solution, preventing it accessing the circulation system and re-entering the cabinet through the spray arms.

⚠ This dishwasher must not be used without all the filters in place.

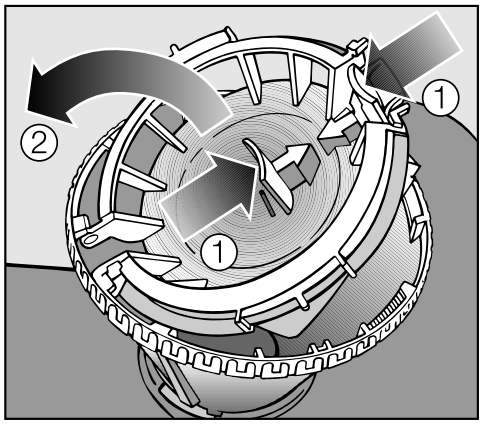
Collection of coarse soil may cause the filters to clog. The level of soiling and time it takes before the filters need cleaning will vary depending on use.

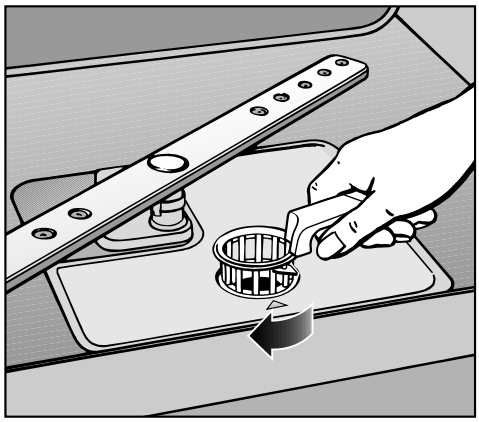
Check the condition of the filters regularly and clean them if necessary.

- Switch the dishwasher off.



- Turn the handle anti-clockwise to release the filter combination ①.
- Take the filter combination out ②, remove any coarse particles and rinse the filter well under running water. Use a nylon brush if necessary.





To clean the inside of the filter, the flap must be opened:

- Press catches ① together in the direction of the arrows as shown, and open the filter ②.
- Rinse all the filters under running water.
- Then close the flap so that the catch engages.
- Replace the filter combination so that it lies flat in the base of the wash cabinet.
- Then turn the handle clockwise until both arrows point towards each other. This will lock the filter combination in place.

⚠ Take care when you are fitting the filter combination that it is secured in position correctly. Otherwise coarse soil could get into the circulation system and cause a blockage.

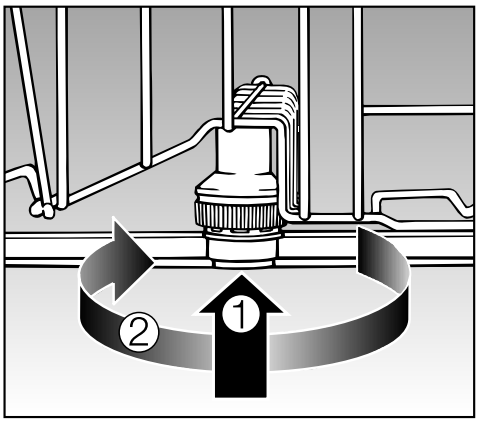
Cleaning the spray arms

Particles of food can get stuck in the spray arm jets and bearings. The spray arms should therefore be inspected and cleaned regularly (approx. every 4 - 6 months).

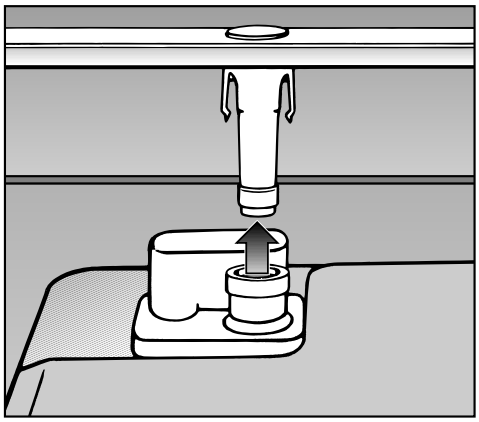
- Switch the dishwasher off.

Remove the spray arms as follows:

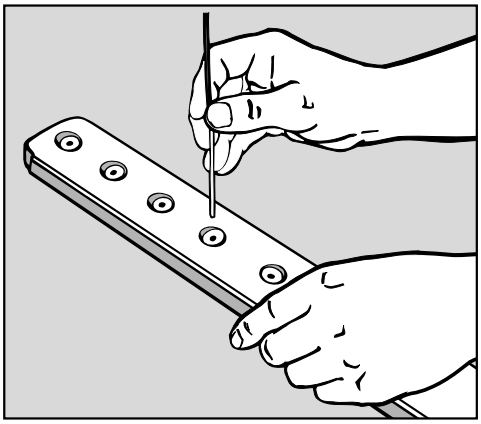
- Take out the cutlery tray (if your dishwasher is fitted with one).
- Push the **top** spray arm upwards to engage the inner ratchet. Then unscrew the spray arm.



- Push the **middle** spray arms upwards ① to engage the ratchet. Then unscrew the spray arm ②.
- Remove the lower basket.



- Pull the **lower** spray arm firmly upwards to remove it.



- Use a pointed object to push food particles into the spray arm jets.
- Rinse thoroughly under running water.
- Replace the spray arms and check that they rotate freely.

Problem solving guide

With the aid of the following guide, minor problems can be easily corrected without contacting Miele.

⚠ Installation work and repairs to electrical appliances must only be carried out by a suitably qualified and competent person in strict accordance with current local and national safety regulations. The manufacturer cannot be held liable for unauthorised work.

Technical problems

Problem	Possible cause	Remedy
The dishwasher does not start.	The door is not properly closed.	Push the door firmly shut.
	The appliance is not plugged in.	Insert the plug and switch on at the socket.
	The fuse is defective or has tripped.	Reset or replace the fuse. (Minimum fuse rating - see data plate).
	The appliance is not switched on.	Press the On button I and select a programme.
The dishwasher stops during a programme.	The fuse is defective or has tripped.	Reset or replace the fuse.
After the programme has started, the In-operation indicator light is not visible.	The reflector panel was not correctly fitted.	Re-fit the reflector panel correctly (see Installation diagram).

Problem	Possible cause	Remedy
The In-operation indicator is flashing quickly. **The buzzer is sounding.** **All the programme indicators flash when the door is open.** **Fault code FXX shows in the display.**	There may be a technical fault.	Switch the dishwasher off with the Off button ◯. After a few seconds: – Switch the dishwasher on. – Select the programme required with the programme selector button. – Close the door. If the indicator lights flash again, there is a technical fault. – Call the Miele Customer Contact Centre.
The drain pump works even when the door is open.	Fault F70: The Waterproof System has reacted.	– Close the tap. – Call the Miele Customer Contact Centre.

Problem solving guide

The dishwasher does not fill/drain		
Problem	**Possible cause**	**Remedy**
The In-operation indicator is flashing quickly. The buzzer is sounding. The Inlet/Drain indicator flashes when the door is open.	The tap is closed.	– Open the tap fully.
The dishwasher stops during a programme. The In-operation indicator is flashing quickly. The buzzer sounds. The Inlet/Drain indicator flashes when the door is open. Fault code FXX shows in the display.		Before rectifying the problem you must: – Switch the dishwasher off with the Off button ◯.
	Fault F12/F13: Water intake is restricted.	– Open the tap fully. – Clean the water inlet filter (see Maintenance). – The water pressure at the intake is lower than 30 kPa (0.3 bar). Seek professional advice.
	Fault F11: Water outlet is restricted, water remains in the wash cabinet at the end of a programme.	– Clean the filter combination. See Cleaning and care. – Clean the drain pump. See Maintenance. – Clean the non-return valve. See Maintenance. – Remove any kink in the drain hose. – Remove drain hose and check for any blockages in the drain pipe.

General problems		
Problem	**Possible cause**	**Remedy**
The display is dark.	The display has switched off automatically to save energy (Stand-by mode).	Press any button. Standby comes to an end.
Detergent residue is left in the dispenser at the end of a programme.	The dispenser was still damp when detergent was added.	Make sure the dispenser is dry before adding detergent.
The detergent dispenser lid cannot be closed properly.	Clogged detergent residue is blocking the catch.	Clean the detergent from the catch.
At the end of a programme there is a film of moisture on the inside of the door and the interior walls.	This is caused by the drying system and does not indicate a fault.	The moisture will dissipate after a short while.
Water remains in the wash cabinet at the end of a programme.		Before rectifying the problem you must: – Switch the dishwasher off with the Off button ◯.
	The filter combination in the wash cabinet is clogged.	Clean the filter combination. See Cleaning and care.
	The drain pump or non-return valve may be blocked.	Clean the drain pump or the non-return valve. See Maintenance.
	The drain hose is kinked.	Remove any kink from the drain hose.

Problem solving guide

Noises		
Problem	**Possible cause**	**Remedy**
Knocking noise in the wash cabinet.	A spray arm is knocking against an item in a basket.	Interrupt the programme, and rearrange the items which are obstructing the spray arm.
Rattling noise in the wash cabinet.	Items of crockery are insecure in the wash cabinet.	Interrupt the programme, and rearrange the items of crockery.
Knocking noise in the water pipes.	This may be caused by the on-site installation or the cross-section of the piping.	This has no influence on dishwasher function. If in doubt, contact a suitably qualified plumber.

Unsatisfactory washing result		
Problem	**Possible cause**	**Remedy**
The dishes are not clean.	The dishes were not loaded correctly.	See notes in "Loading the dishwasher"
	The programme was not powerful enough.	Select a more intensive programme. See "Programme chart".
	There is some stubborn soiling although most of the crockery is only lightly soiled (e.g. with tea stains).	Use the "Adjust Sensor wash" function (see "Additional functions").
	Not enough detergent was dispensed.	Use more detergent, or change your detergent.
	Items are blocking the path of the spray arms.	Rearrange the items so that the spray arms can rotate freely.
	The filter combination in the base of the wash cabinet is not clean or is not correctly fitted. This may cause the spray arm jets to get blocked.	Clean and/or fit the filter combination correctly. Clean the spray arm jets. See "Cleaning and care".
	The non-return valve is open and blocked. Dirty water has flowed back into the wash cabinet.	Clean the drain pump and the non-return valve. See "Cleaning the drain pump and non-return valve".
Smearing appears on glassware and cutlery, there is a bluish sheen on the surface of glassware; film can be wiped off.	The rinse aid dosage is set too high.	Reduce the dosage. See "Before using for the first time - Rinse aid".

Problem solving guide

Problem	Possible cause	Remedy
Dishes, cutlery and glasses are not dry or are flecked.	The amount of rinse aid may be insufficient, or the rinse aid reservoir empty.	Replenish the reservoir, increase the dosage or change the brand of rinse aid. See "Before using for the first time".
	Crockery was taken out of the cabinet too soon.	Leave it in for longer. See "Operation".
	Combination tabs have been used which have impaired drying performance.	Set the Tab function to "Normal", and fill the rinse aid reservoir with rinse aid. See "Additional functions".
	The "Tab" function has been selected, but the wrong type of detergent was used.	Set the Tab function to the detergent product being used (see "Additional functions").
White residue is visible on cutlery and crockery, clouding occurs on glassware; film can be wiped off.	Not enough rinse aid was used.	Increase the dosage. See "Before using for the first time - Rinse aid".
	There is no salt in the salt reservoir.	Fill the salt reservoir. See "Before using for the first time - Filling the salt reservoir".
	The salt reservoir cap has not been screwed on correctly.	Replace it, making sure that it screws back on correctly.
	An unsuitable combination detergent has been used.	Change your detergent. Use a standard liquid, tablet or powder detergent.
	The water softener is programmed to a setting which is too low.	Select a higher water softener setting. See "Before using for the first time".

Problem	Possible cause	Remedy
Glassware has a brown or blue tinge, and film cannot be wiped off.	This may be caused by the detergent.	Change your detergent.
Glassware is dull and discoloured; film cannot be wiped off.	The glassware is not dishwasher-proof. The surfaces are affected.	There is no remedy. Purchase glassware which is dishwasher-proof.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected programme was too low.	Select a programme with a higher wash temperature.
	The bleaching effect of the detergent used is too low.	Change your detergent.
Plastic items are discoloured.	Natural dyes e.g. from carrots, tomatoes or ketchup may be the cause. The amount of detergent used or its bleaching effect was not sufficient to deal with natural dyes.	Use more detergent. See "Operation". Discolouration is irreversible.
There are rust stains on cutlery.	The affected items are not corrosion resistant.	There is no remedy. Purchase cutlery which is dishwasher-proof.
	A programme was not run after dishwasher salt was added. Traces of salt have got into the wash cycle.	Always run the "Quick wash" programme, without any crockery in the dishwasher and without selecting the "Turbo" function, after adding dishwasher salt.
	The salt reservoir cap has not been screwed on correctly.	Replace it, making sure that it screws back on correctly.

Cleaning the water inlet filter

A filter is incorporated in the screw connection of the valve on the water inlet hose. The filter must be cleaned when dirty, otherwise insufficient water flows into the wash cabinet.

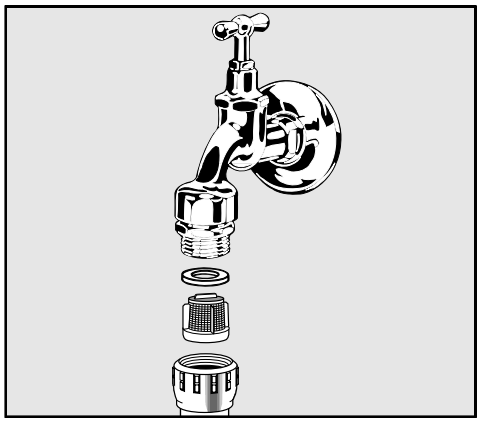
⚠ The plastic housing of the water connection contains an electrical component. It must not be dipped in water.

Recommendation

If the mains water contains a large amount of insoluble substances, we recommend fitting a large-area filter in the connection between the tap and the water inlet hose threaded union. This filter is available from the Miele Spares Parts Department.

Cleaning the filter:

- Disconnect the dishwasher from the mains supply. Switch off at the mains socket and withdraw the plug.
- Close the tap.
- Unscrew the inlet hose.

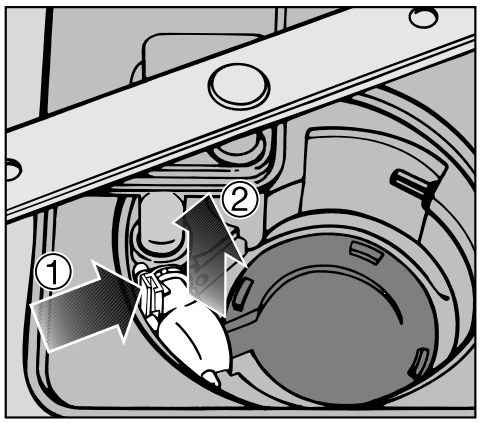


- Carefully remove the seal.
- Withdraw the filter using pointed pliers and rinse clean under running water.
- Replace the filter and seal, making sure they are sitting correctly.
- Reconnect the inlet hose to the tap, making sure it goes on correctly and is not cross-threaded.
- Turn on the tap gradually to test for leaks. If there is a leak, the inlet hose might not be on securely, or it may have been screwed on at an angle. Unscrew and reconnect the water inlet valve correctly.

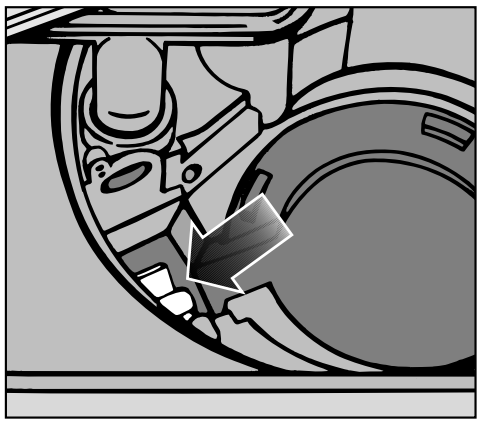
Cleaning the drain pump and non-return valve

If the water has not been pumped away at the end of a programme the drain pump or the non-return valve might be blocked. They are, however, easy to clean.

- Disconnect the dishwasher from the mains supply. Switch off at the mains socket and withdraw the plug.
- Take the filter combination out of the wash cabinet (see "Cleaning and care - Cleaning the filters in the wash cabinet").
- Scoop the water out of the cabinet using a suitable container or utensil.



- Press the catch for the non-return valve inwards ①.
- Lift out the non-return valve ②, and rinse well under running water.
- Remove all foreign objects from the non-return valve.



The drain pump is situated under the non-return valve (see arrow).

- Remove all foreign objects from the drain pump (watch out for glass or bone splinters which are particularly difficult to detect and could cause injury). Turn the drain pump impeller by hand to check that there are no more obstructions. You will feel a little resistance when you turn the impeller.
- Carefully replace the non-return valve and secure it with the catch.

⚠ Ensure that the catch engages correctly.

After sales service

Repairs

In the event of any faults that you cannot remedy yourself, please contact:

– Your Miele Chartered Agent, or

– the Miele Customer Contact Centre

You find the telephone number of the Miele Customer Contact Centre on the back cover of the manual.

■ When contacting your Chartered Agent or the Miele Customer Contact Centre, please quote the model type and number of your appliance, both of which are shown on the data plate on the right hand side of the door.

Future updates

The programme update function is designed to enable a service technician to update your appliance's electronics in keeping with advances in technology.

Information regarding programme updates will be made known by the Miele Company as and when such developments become available.

Comparison tests

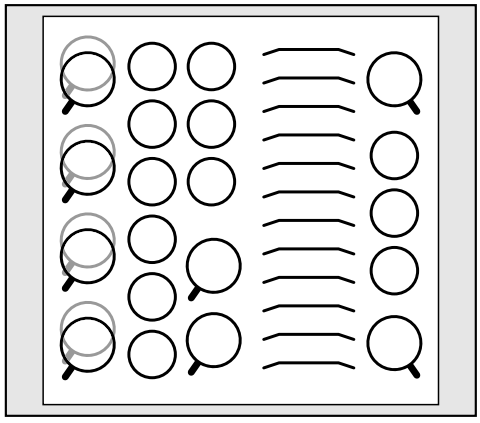
Test standard:	AS/NZS 2007.1:2005, AS/NZS 2007.2:2005; AS/NZS 6400:2005
Standard programme for energy label comparison tests:	Normal
Capacity:	12/14 place settings (depending on model)
Amount of detergent:	**12 place settings: 5 g in compartment I, 25 g in compartment II** **14 place settings: 5 g in compartment I, 27,5 g in compartment II**
Rinse aid dispensing:	Setting 3 (approx. 3 ml)
Drying measurements:	Door ajar using a block of approximately 50 mm upon completion of dry test.

Loading examples

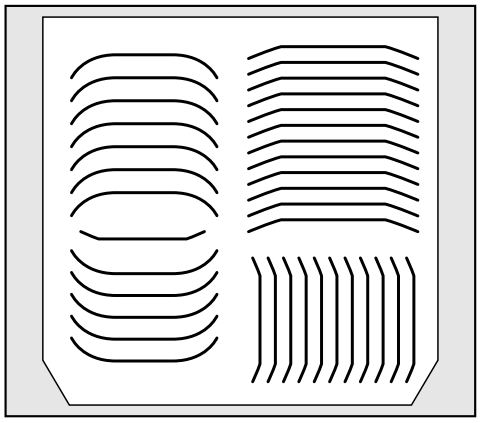
Pictures illustrating how to load the dishwasher are shown on the following pages.

Comparison tests

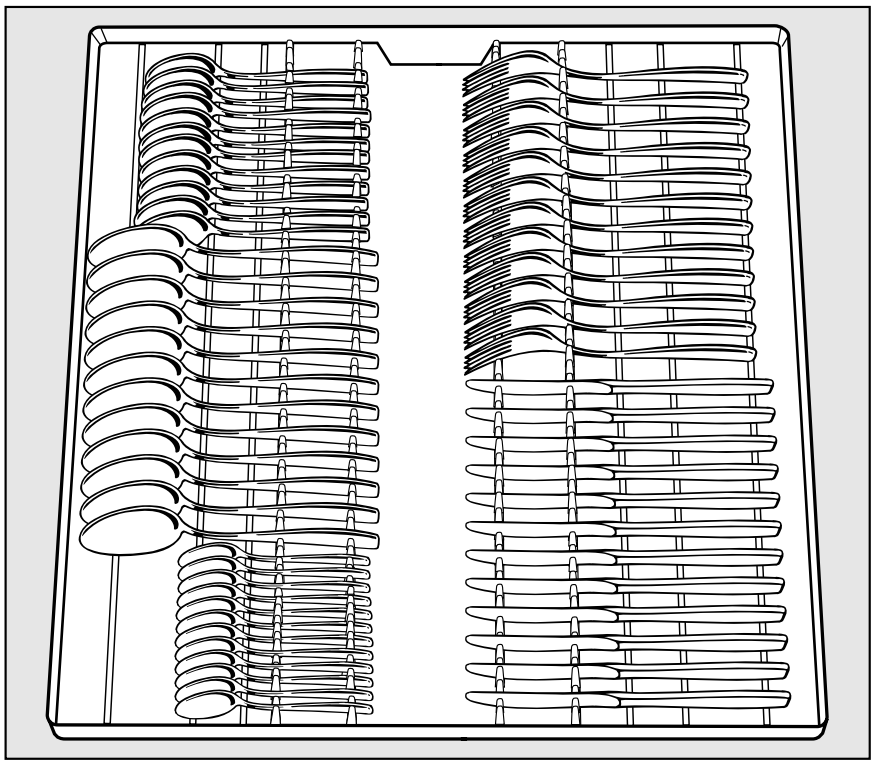
Model types G 1xxx with a cutlery tray (12 place settings):



Upper basket

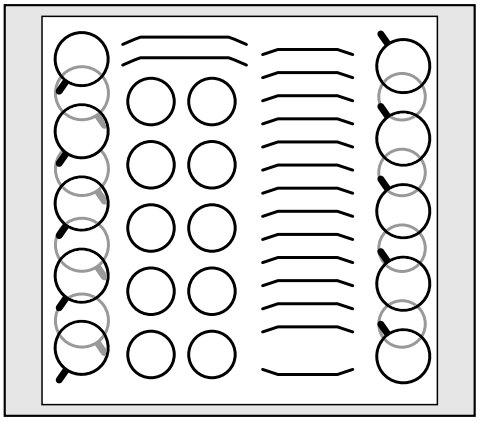


Lower basket

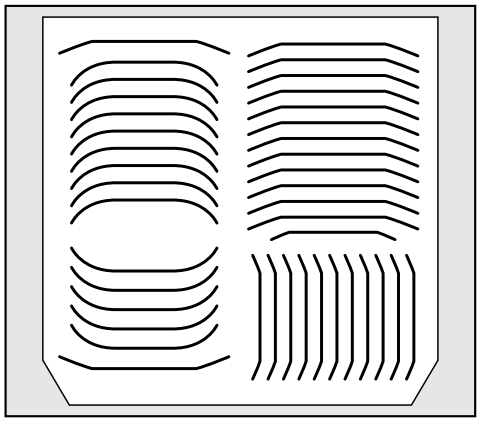


Cutlery tray

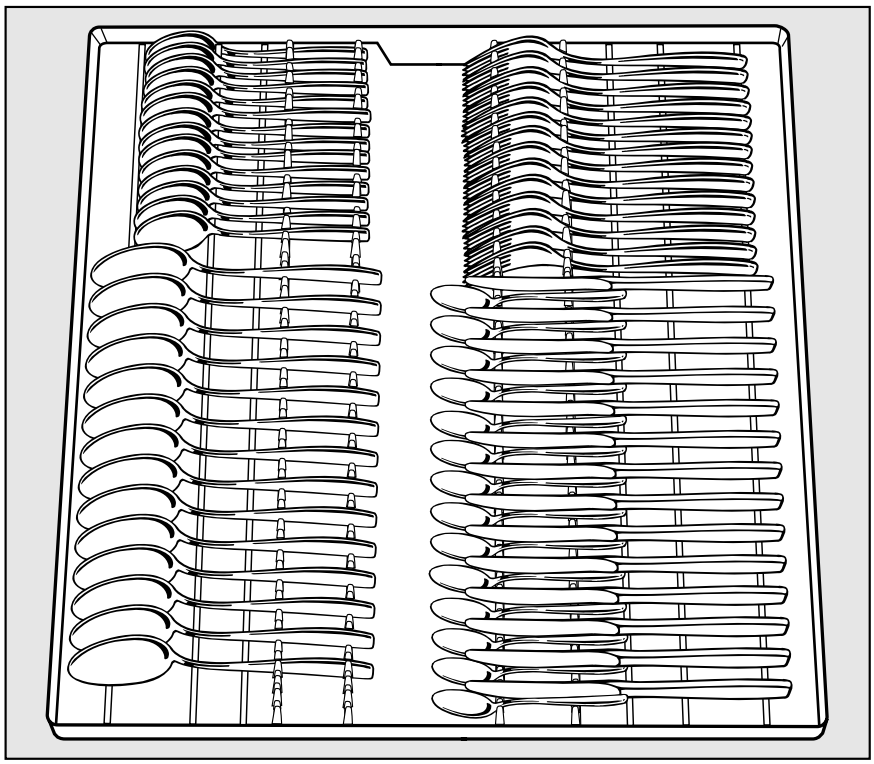
Model types G 2xxx with a cutlery tray (14 place settings):



Upper basket

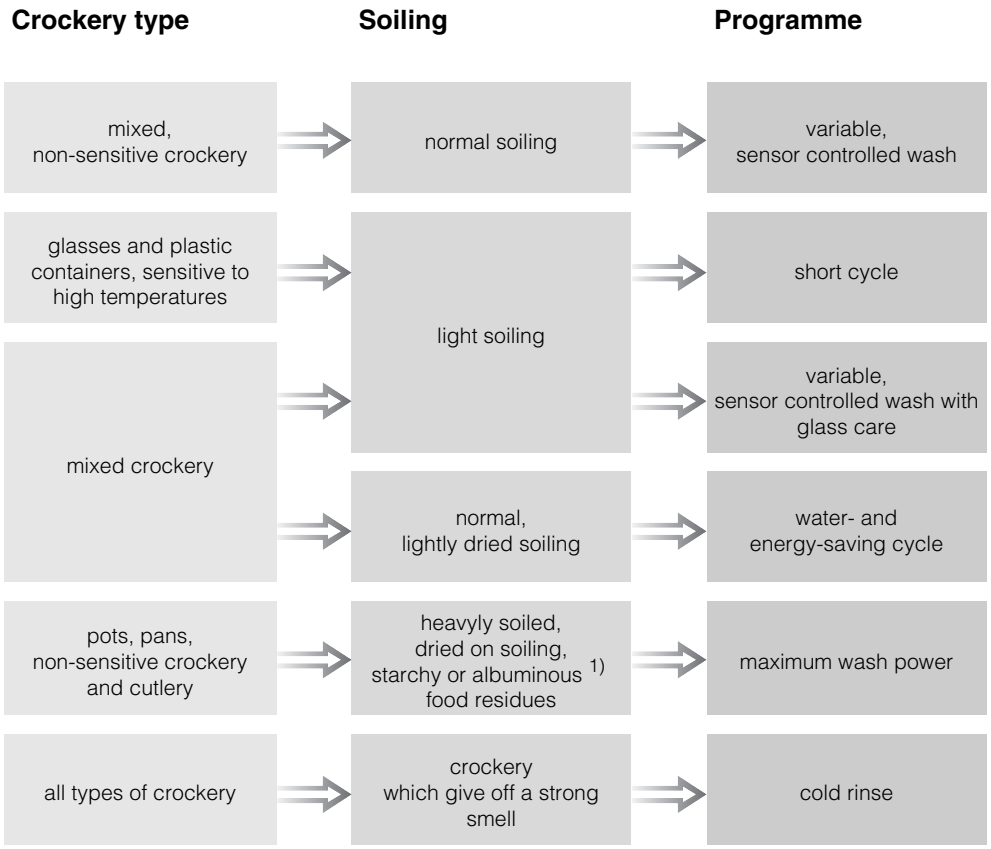


Lower basket



Cutlery tray

Programme chart



1) potatoes, rice, noodles or stews can leave starchy soiling on crockery. Meat, fish, eggs or casseroles can leave albuminous soiling on crockery.

Programme chart

Programme	Detergent	
	Compartment I [2]	Compartment II [2]
Sensor wash	–	25 ml or 1 Tab
Quick wash		25 ml or 1 Tab [3]
Sensor wash gentle		25 ml or 1 Tab
Normal	–	25 ml or 1 Tab
Pots & Pans	10 ml	25 ml or 1 Tab
Pre-wash	–	–

[2] see "Detergent"
[3] Sometimes tabs don't fully dissolve.

Programme chart

G 1XXX

Programme	Programme sequence					
	Pre-wash	Main wash °C	Interim rinse		Final rinse °C	Drying
			1	2		
Sensor wash	Variable programme sequence, sensor controlled adjustment to amount of crockery and soiling					
	if required	45-65	if required		65	X
Normal [1)]	X	50			45	X
Quick wash		40	X		45	
Pots & Pans	X	75	X		65	X
Sensor wash gentle	Variable programme sequence with glass care, sensor controlled adjustment to amount of crockery and soiling					
	if required	40-48	if required		55	X
Pre-wash	X					

1) Standard programme for energy labelling

Programme chart

Consumption			Duration	
Energy		Water		
Cold water 20 °C kWh	Hot water 60 °C kWh	Litres	Cold water 20 °C h:min	Hot water 60 °C h:min
0,95-1,35	0,70-1,00	10-17	1:36-2:38	1:23-2:21
0,70	0,30	12,1	2:35	2:28
0,55	0,20	10	0:33	0:22
1,50	1,10	13	2:42	2:31
0,70-0,95	0,40-0,50	10-17	1:26-2:02	1:17-1:43
0,01	0,01	4	0:13	0:13

The durations given can vary depending on individual circumstances.

Programme chart

G 2XXX

Programme	Programme sequence					
	Pre-wash	Main wash °C	Interim rinse		Final rinse °C	Drying
			1	2		
Sensor wash	Variable programme sequence, sensor controlled adjustment to amount of crockery and soiling					
	if required	45-65	if required		65	X
Normal [1)]	X	50			45	X
Quick wash		40	X		45	
Pots & Pans	X	75	X		65	X
Sensor wash gentle	Variable programme sequence with glass care, sensor controlled adjustment to amount of crockery and soiling					
	if required	40-48	if required		55	X
Pre-wash	X					

1) Standard programme for energy labelling

Programme chart

Consumption			Duration	
Energy		Water		
Cold water 20 °C kWh	Hot water 60 °C kWh	Litres	Cold water 20 °C h:min	Hot water 60 °C h:min
1,00-1,40	0,75-1,05	10-17	1:36-2:38	1:23-2:21
0,90	0,50	16,5	2:42	2:28
0,60	0,25	10	0:33	0:22
1,55	1,15	14	2:42	2:31
0,80-1,00	0,45-0,55	10-17	1:26-2:02	1:17-1:43
0,01	0,01	4	0:13	0:13

The durations given can vary depending on individual circumstances.

Optional accessories

To make the most of your dishwasher

Optional accessories for particular purposes are available from your Miele Chartered Agent or the Spare Parts Department (some may be supplied as standard, depending on model).

If you would like to …	**you will need to order …**
… wash long-stemmed glassware	… a glassware insert for the upper basket
... wash bottles, e. g. milk or baby bottles	… a bottle holder
… wash additional items of cutlery	… a small cutlery basket for the lower basket
... wash a lot of glasses	… a glassware insert for the lower basket
... wash large plates	... an insert for plates up to: - 33 cm diameter - 35 cm diameter

⚠ Please follow the installation instructions carefully.
All electrical work should be carried out only by a suitably qualified and competent person, in strict accordance with national and local safety regulations.
Ensure power is not supplied to the appliance while installation work is being carried out.

This dishwasher is supplied with a mains cable and moulded plug ready for connection to an a.c. single phase supply, (230 -240 V 50 Hz for NZ and Australia) via a fused plug and suitable switched socket which is easily accessible after installation.

- The voltage, rated load and fuse rating are given on the data plate located above the door. Please ensure that these match the household mains supply.

For extra safety it is advisable to install a residual current device (RCD), with a trip current of 30 mA.

- Do not connect via an extension lead.

⚠ If the connection cable is damaged it must be replaced with a complete connection box and cable by a Miele approved service technician only.

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow	=	earth
Blue	=	neutral
Brown	=	live

If the colours of the wires in the mains lead of this appliance do not correspond with the coloured markings identifying the terminals of your plug, proceed as follows:

- The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol ⏚ or coloured green, or green and yellow.
- The wire which is coloured blue must be connected to the terminal in the plug which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal in the plug which is marked with the letter A (AUSTRALIA).

WARNING:
THIS APPLIANCE
MUST BE EARTHED

Plumbing

The Miele waterproof anti-leak system

Providing your dishwasher has been installed correctly, the Miele waterproof anti-leak system will protect you from water damage throughout its lifetime.

Connection to the water supply

⚠ Water in the dishwasher must not be used as drinking water.

– The dishwasher may be connected to a cold or hot water supply, max. 60 °C. We would only recommend connection to a hot water supply if it is economical, e.g. a solar powered supply. When connected to a hot water supply all programme stages which would otherwise be carried out with cold water will be carried out with hot water.

⚠ A hot water connection with temperatures exceeding 60 °C may cause damage to the unit, impair wash results and affect the product guarantee.

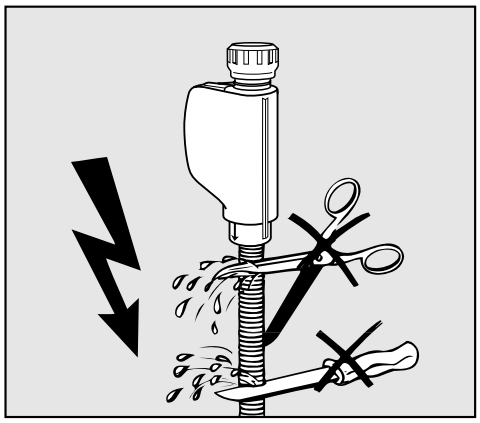
– The inlet hose is approx. 1.5 m long. A 1.5 metre long flexible metal extension hose, pressure tested to 14,000 kPa/ 140 bar, is available as an optional accessory if required.

– A tap with a $^{3}/_{4}$" male thread must be provided on site.

– The dishwasher is constructed to comply with Australian regulations, and may be connected to a suitable supply without an extra non-return valve if national regulations allow this.

– The water pressure (flow pressure at the take-off point) must be between 30 and 1000 kPa (0.3 and 10 bar). If the water pressure is too high, a pressure reducer valve must be fitted.

⚠ To avoid any damage to the appliance, the dishwasher must only be connected to a fully vented plumbing system.



⚠ The inlet hose must **not** be shortened or damaged in any way as it contains electrical components (see illustration).

This appliance incorporates back-flow protection complying with AS/NZS 3500.1.2. No further backflow protection required for connection to the water supply.

Drainage

– The appliance drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.

– The dishwasher is supplied with approx. 1.5 m of flexible drain hose with an internal diameter of 22 mm.

– The drain hose can be extended using a connection piece to attach a further length of hose.
The drainage length must not be longer than 4 m, and the delivery head must not exceed 1 m.

– If the hose is to be directly fitted to the drainage outlet on site, use the hose clip supplied (see installation diagram).

– The hose can be directed to the left or the right of the appliance.

– The on-site connector for the drain hose can be adapted to different widths of hose. If the connector protrudes too far into the drain hose, it will need to be shortened. Otherwise the drain hose may become blocked.

– The drain hose must not be shortened.

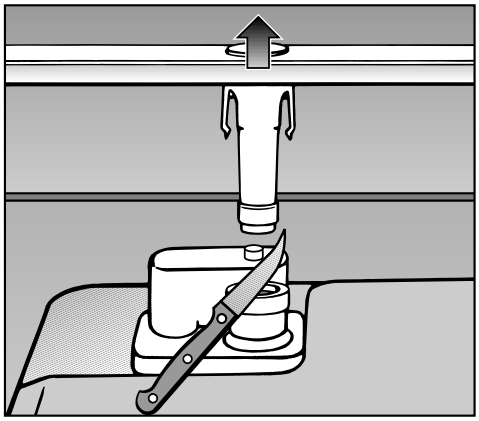
⚠ Make sure that there are no kinks in the hose, and that it is not squashed or stretched.

Venting the drainage system

If the on-site drain connection is situated lower than the guide path for the bottom basket rollers in the open door, the drainage system must be vented. Otherwise a siphoning effect during a programme can cause the appliance to empty itself of water.

To vent it:

■ Open the dishwasher door fully.



■ Pull the lower spray arm firmly upwards to remove it.

■ Cut off the top of the vent valve in the wash cabinet.

Technical data

Dishwasher model	G 1XXX	G 2XXX
Height	80.5 cm (adjustable + 6.5 cm)	84.5 cm (adjustable + 6.5 cm)
Height of building-in recess	Min. 80.5 cm (+ 6.5 cm)	Min. 84.5 cm (+ 6.5 cm)
Width	59.8 cm	59.8 cm
Width of building-in recess	60 cm	60 cm
Depth	57 cm	57 cm
Weight	Max. 55 kg	Max. 61 kg
Voltage	230 V	230 V
Connected load	2300 W	2300 W
Fuse rating	10 A	10 A
Test certificates awarded	Electrical safety, Typetest Mark, C-Tick Mark	Electrical safety, Typetest Mark, C-Tick Mark
Water pressure (flow rate)	30 - 1000 kPa (0.3 - 10 bar)	30 - 1000 kPa (0.3 - 10 bar)
Hot water connection	Up to max. 60 °C	Up to max. 60 °C
Delivery head	Max. 1 m	Max. 1 m
Drainage length	Max. 4 m	Max. 4 m
Mains cable	approx. 1.7 m	approx. 1.7 m
Capacity	12/14 place settings*	12/14 place settings*

* depending on model

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